

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB



An ARRL Special Service Club

November 1990

Next Meeting November 14, 1990

Project Night

By Terry Biggs, WB7CHK

At last!! We have a two meter amplifier for our next project. Thanks to those of you that have waited so long and a special. Thanks to Lynn Hurd and Dee Lynch in helping get the prototype finished.

The basic kit is the PA-10 offered by Ramsey Electronics, who is giving us a nice discount, and the rest of the kit is assembled by myself which has worked out to be a very good price. The amplifier is 6.5" deep, 4.5" wide and 2" high and will have a BNC connector for the input and a UHF connector for the output. It is FM only, has RF sense, TX-RX switching, comes with a 3 foot coax with BNC connectors on each end to connect your hand held to the amplifier and also has both the Anderson power pole and cigarette lighter plug. The amp is designed to be driven with hand held power levels. Here is the power level profile:

WATTS IN	WATTS OUT
1	9
2	19
3	22
4	27
5	30

Tools needed are your standard electronic hand tools, 15 Watt soldering iron, side cutters, pliers, etc.

The sessions are held on the last Wednesday of each month, however, for those working on the QRP transceiver, there will be no session in December because of Christmas. We meet at the city of Beaverton operations center at 9600 S.W. Allen.

We will start building the 2 meter amplifier kit at the January session. This will allow enough time for those interested to get their names on the order list. Because Ramsey needs 6 weeks to fill our order, I will have to have

your payment of \$55.00 per kit no later than December 22, 1990. You can get on the order list any time between now and December 22 by contacting Dee Lynch, Lynn Hurd or myself, however if we don't have your payment by the cutoff date, I can't order a kit for you.

Please feel free to contact me if you have any questions.

LYNN HURD	WB7UNU	649-9152
DEE LYNCH	KA7NPN	646-4580
TERRY BIGGS	WB7CHK	648-3687

News From The Waterfront

By Bill, WC7P & Elaine, KB7ANT

Dear OTVARC,

We have just completed our second year of cruising in the Pacific NW and thought that you might find some of the "ham stuff" interesting. For those of you that are in the main stream of ham radio, I think that the marine mobile segment brings forth thoughts of world cruisers, hair-raising rescues and such. As usual in this world, the truth is a bit less exciting.

First, and most important, we have met many more people because of our radio contacts than we would have otherwise. With land stations, we meet people on the air, have a good chat, and there is little chance to meet them in the normal course of things. Less so with MM. The way we meet and talk to folks is usually on one of the local nets. During the cruising season we find that we are near to other hams or are in the same harbor, we have the chance to meet them. Some of our best boating friends have come through that path.

The nets are interesting, and varied. The main year-round net that we check into the Port Ludlow YC Boater's Net. Net control is W070 and we meet on 3865 kHz at 0830

(Continued on page 7)

OTVARC Club 2 Meter Repeater is on 146.900 (-600)

OTVARC Travelers News

By Willis, N7DZR

It was like a high flood tide at Pacific City when the OTVARCs Flooded the Thousand Trails Preserve RV Park. The 105 acres of the preserve gave the OTVARCs plenty of room. There was nearly fifty OTVARCs that showed this weekend. This R.V. park provided many activities. It is great to have Wagon Masters that select great places.

Our Wagon Masters again had complete control of the Oregon sunshine and of course the Oregon rain. No rain and plenty of sunshine for our daytime activities and pleasant evenings around the campfire. However all did not gather around the campfire early. Some were taking polka dance lessons at the entertainment center. The Tirolean Dancers from Salem were invited to entertain and give dance lessons. For many it was out of the pool and onto the dance floor. Kind of like an athletic event.

Cable T.V. brought the world series to the baseball fans in the club house and for a while we thought that our pot luck would have to be in the club house, but the interest in the game was lost when it was found that all our money was spent on RVing and nothing left to bet on the game. After all watching two guys play catch isn't very exciting unless your betting someone will drop the ball. Well anyway we decided to have our pot luck dinner at 1700 hours in the gazebo. It was high on a bluff over looking the great Pacific Ocean. The view was outstanding and we were fortunate to have dinner (potluck) while the navy was having submarine races and we watched and cheered them on. However we don't know which one won. We couldn't read their numbers on the periscopes. They never raised them. Tom (KA7MAN) and Barbara (KA7WTF) our wagon masters said they would contact the navy department and find out for us. Tom and Barbara you picked a great place, our hats are off to you.

Looking ahead, November 17 and 18, 1990 is going to be the big one. Yes sir, that's the date of the annual camp out / -motel stay at holiday park at Depot Bay. This is the event when all OTVARCs can come and enjoy the good times with the OTVARC Travelers. A place for everyone either camping or a motel stay. Roger (KA7RNN) likes the security here. If Marvel (KA7TZT) throws him out he won't have to sleep on the beach.

It is best to have reservations so as to keep together in one area of the motel and in the RV park. Other groups and individuals also found out how nice this place is and it could sell out. OTVARCs counter up to almost sixty last year. This year we expect to count up into the seventies. Please call Marvel at 292-3261 anytime and let her know of your intention. There would probably be less calls if

those who were not going called, but Marvel would like to coordinate the potluck. Perhaps even more important Marvel needs a people count so she can come up with a turkey and ham count. We want the last one as well as the first one in line to get plenty of turkey and ham. Yes there are other kinds of hams. One of them is part of a pig and that is the one Marvel is interested in.

The annual SKIP-BO tournament will take place at Depot Bay with prizes for the champions. this is a game of skill and technique of which the player must choose one or the other. Now Bud (KC7PS) says this year he is going for strategy. Sharon (KA7NAN) said she can win because of experience. Maybe skill and technique isn't all. Well what ever, it sure seems to create a lot of excitement. If funds permit all players will receive a gold pentagram, a wonderful memorabilia.

Cribbage is another contest that just might take place. This is a game for those who after everything else can still pick up those little pins and move them along the board. Simple as it sounds, tournament rules forbid the use of calculations so this is a game for the more intelligent. Whale watching has been good at previous camp outs but it's to bad the submarine race season is over. They can be very exciting. Bring your swim suit and your sweats. There is a pool and a work out room with apparatus. Also the hot tub is a crowd pleaser.

For you who are licence amateur radio operators the frequencies for Depot Bay will be 147.22 (Repeater) and 145.67 Mhz (simplex). For the friends of amateurs (they are invited too) the frequency will be 27.085 Mhz (A.M.), CB channel 14. We didn't notify the owner of the two two repeater, as a matter of fact we never asked either to use his repeater for the big event, but maybe someone who lives near Ed will tell him. How about it Neil (WA7KLA)?

Don't forget to call Marvel (292-3261) and tell her you are coming to Depot Bay for OTVARCs biggest event. Marvel is in almost constant contact with Roger (KA7RNN) so you can also tell him. See you at Depot Bay, 73's and 88's Honey.

SCHOLARSHIP COMMITTEE REPORT

Application forms have been mailed to local amateur radio clubs and schools in Clackamas, Multnomah, Washington, and Yamhill Counties. This years winner will receive \$1500.00. Applications are due January 2, 1991. Questions? Call Pat Griffiths 649-0837.

OTVARC Scholarship committee:

Bob Orr, WF7O Pat Griffiths, KA7UFG
Don Branda, N7DDK Wally Boleen, KC7TB

Words from the President

By Ray Deeth, K7VDQ

There has been some club activity on the 146.90 repeater these past few weeks. One evening while I was doing paper work in my home office I turned on my hand held to see if we could stir up the designated club repeater frequency. First I heard KO7B and then KD7LA came on to report a club health and welfare point of interest. It seems that NB7W, John, had a relationship with a tree and fence as he fell to the ground. According to last report, he was in much pain but doing as good as expected after taking a bad pratfall doing what he likes best - Amateur Radio Elmer's projects. I do hope he is home when this newsletter reaches him next month. John, "Keep the Faith Baby" and we all are pulling for your speedy recovery.

Now for the good news! I have been in conference with management of the Beaverton Elks which ended on a very positive note. Our club's monthly dinner meetings will continue as they have in the past with no changes. The required dinner percentage business will be compensated by other means, i.e., pay the difference or the club make a donation to an Elk's special benefit project. I would like to report that the Elks are very happy with our club and are most willing to develop a mutual trust to continue the usage of the nice facilities. It was mutually agreed upon that OTVARC and ELK's managements have an annual review (January) to approve any changes the Elks may require as well as confirm the club's intention of utilizing the facilities for the next year.

I received a call from the Postmaster of my little community of Banks, Oregon, asking if I was an Amateur Radio Operator. She informed me that a Post Office Official Form had a requirement to list a Name, Call and Address of an active Amateur Radio Operator to satisfy a regulation for the Post Office Emergency Preparedness Plan in the event of a local disaster and/or any national emergencies. This is nothing new but, she felt it was an excellent idea and wanted to comply with the form. She indicated that all Post Offices are supposed to comply with this requirement. However, like any governmental and bureaucratic agencies, this type of policy know doubt is low on management priorities. I think this is an excellent opportunity for other HAMS in small communities to make an inquiry with their local postmaster concerning this matter.

Good meeting last month with GTE Mobilnet and lots of dialog among the members. The November meeting is very important to finalize the ballot for elections at the December Holiday Festival happening. FARS (Friendship Amateur Radio Society) will have a presentation on their proposal for Amateur Radio Sports Games at the 1991 Sea/Pac Convention.

Just a reminder that the seating capacity at the Elks for the December Holiday Festival Happening is limited and you must respond early to secure your table setting at the meeting. Of course we must let the Elks know the attendance figure for preparing our own buffet dinner. Al (WB7SIC) reported that there was a good response in selling tickets at the last meeting. If there are circumstances preventing you from attending the November meeting, you had better give Al or any board member a call to order Holiday Festival Tickets NOW!

Standardized 12 Volt DC Power Connector Adoption

By Wes Allen, K7WWG

This article is to try to explain the reasons why you should consider the use of STANDARDIZED connectors for 12 Volt D.C. applications.

In the many years that I have been in amateur radio, I bet I have seen about as many different power connectors as there have been radio brands. Most hams, at one time or another, tries to establish a standard connector for their use. I too had to find one that I would use on my equipment.

Sometimes talking to another ham may lead to the adoption of the other guys connector. This is OK, but what happens if no one asks for advice and here is where we have todays problem. I have tried to make up adapter cords so that if I have to borrow a friends radio for a while, I can connect it to my power source. But how many adapter cords can you carry.

Finally, one day when I was at a Tektronix Amateur Radio Club meeting. I found out that this club had done some research on connectors and found a connector that they have adopted now as their Club standard. I liked it a lot, and changed all of my equipment to their standard.

Later on when a became more involved with helping the A.R.E.S., and other Emergency Services activities. I realized that this connector standard would be a good for all of amateur radio. I have been working with the A.R.R.L. on the standardization for some time. This connector is now recognized as a STANDARD by the league.

As some of you know, I have been promoting this idea for some time. I have been out and promoted this idea to several local clubs. Currently, the Tektronix Amateur Radio Club and the Oregon Tualatin Valley Amateur Radio Club have formally accepted the connector listed below as their Club standard. I will continue to expose more clubs about this idea, and encourage them to adopt them as their standard also.

I urge that you look into adopting this connector for your own use. Who knows when the day will come when someone might call upon you for the loan of your radio for use in an Emergency. Will your equipment be ready for use, and with what connectors for power?

SPECIFICATIONS

Manufactured by: ANDERSEN POWER PRODUCTS

Part Number: (Black 1330G4)

Part Number: (Red 1330)

Current: 30 AMPS

Voltage: 600 Volts

Contact Resistance: 600 Microhms

Wire Size: 12 AWG, 20 AMPS

As an aid to obtaining these connectors, you can obtain them from the following:

Portland Radio
234 S.E. Grand
Portland, Oregon
228-8647

Dunn Electronics
9649 N.E. Vancouver Way
Portland, Oregon
285-0214

Wes Allen
2870 S.W. 199th Pl.
Aloha, Oregon
649-3295

ELECTION COMMITTEE REPORT

At the November meeting the Election Committee will announce their nominations for officers for 1991. Additional nominations shall be entertained from the floor. Nomination as an officer of the club is open to any full member. Ballots will be mailed to the membership by December 1, and are during the hands of the election committee at the December club meeting. The results of the election will be announced before the end of the December meeting.

Election Committee:

Pat Griffiths, KA7UFG

John Klein, KA7ICV

Randy Stimson, KZ7T

Amateur Radio During The San Francisco Earthquake

On Dec. 7, 1941, when the Japanese attacked Pearl Harbor, member Dwayne Eskridge (1941-77), Walnut Creek, CA, was a Bureau radio operator in Honolulu. At another disaster on Oct. 17, 1989 when the powerful earthquake hit the San Francisco area Dwayne was again at the focal point and providing valuable service.

Mr. Eskridge serves as Asst. Director of the Pacific Division of the Amateur Radio Emergency Service (ARES) and as Section Emergency Coordinator for the East Bay Section for the government's Office of Emergency Management, coordinating amateur radio operators in providing communications in dire emergencies.

At about 5:04 P.M. on Oct. 17 when the quake hit, he and his wife, Virginia, living across the bay from San Francisco, were alarmed when the china and pieces of furniture began to move about in their home. He made it finally to his "radio shack" and found traffic already coming in from specially trained "hams."

Dwayne is a charter member of the "ExBuNet," a group of former SA's and retired communications employees who are licensed amateur radio operators and who have been networking since 1983 on a weekly basis on the 20-meter band. In a series of letters to associate X-SA hams, Dwayne recounted his experiences during the San Francisco quake and excerpts of this correspondence follow.

"After quickly checking with outlying stations, I concluded that the epicenter must be somewhere south of San Jose. I called the seismographic center in Berkeley for an estimate of the severity of the quake, which I felt was over

5 on the Richter scale. I was assured that I had now underestimated.

"As soon as I hung up on that call, my phone erupted with calls from the media which Virginia fielded with pleas to get off the line so that it could be kept open to enable disaster workers to have some means of access to the various radio networks that were not being consolidated."

"The first of the kind of call we were trying to keep the line open for came in promptly. Pacific Gas & Electric put in an urgent request for an operator with portable equipment to augment their own radio network, which was unequal to fielding the volume of reports of broken mains and severed electric lines, and to filling the need for closer integration with police, fire and rescue squad efforts."

"Coincidentally, when the quake stopped, commercial power went off at my location, but after a few pulls on the starter rope my trusty portable generator roared to life. It was able to supply my radio equipment, a small refrigerator, coffee pot, several lights and my computer with its associated communication modems. This jerry-rigged arrangement worked great for the next 4-1/2 hours until normal power was restored."

"Meanwhile, I was getting spectacular assistance from my various district Emergency Coordinators; one had assembled an interconnecting network of all the Kaiser hospitals in Northern California. Another had put together an ultra-high frequency network linking all of the Red Cross units in the stricken area so that they could not only talk directly to each other but to several units of the California Office of Emergency Services, including the headquarters office at the State Capital in Sacramento. Still another worked tirelessly for long hours planning shifts and recruiting operators for various sites in San Francisco and five surrounding counties. The efforts and results produced by these fellows were simply incredible!

"The operations I've described continued around the clock for about a week and involved as many as 300 hams at peak times. The whole thing was exhausting, but a most rewarding experience," concluded Eskridge.

(Reprinted from the Grapevine, March, 1990)



RAY DEETH

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local time daily. This one is what I call a "check in" net. Net control doesn't do any tracking of boats and in fact goes cruising himself part of the summer while a relief net control takes over. It is nice to be able to keep track of others that we know as they move around the waters from Olympia, WA to Ketchikan, AK. The part that is especially useful for us is to be able to check with boaters in other areas for wind conditions. Our boat (and home), SKYE, has only sails for power.

The other net that we use when it is open, is the B.C. Amateur Radio Boater's Net. Net control is VEOGBT. Though this net runs only the summer months, it is much more complete. Les Saul (VEOGBT) lives on Thetis Island overlooking Telegraph Harbor. Thus he is the Great Brown Tiger of Thetis Island. Les's net operates on the 147.320 repeater -- that's right -- except it is the one on the peak of a mountain on Saltspring Island, B.C. From late June to late September at 1700 local time he opens the net. At 1730 he uses the Inter-Provincial A.R. Net to open the 145.47 Nanaimo, 146.960 Campbell River, 146.680 Port McNeill, 146.940 Port Hardy repeaters. That covers all of the inside waters of Vancouver Island. Then at 1745 he switches to 3855 kHz and picks up anyone that is on the outside of Vancouver Is. and up north.

Les keeps a number of lists and a card file, so even if he hears someone from years ago he can usually come up with the ham's name within a few seconds. Les also keeps track of people and specifically helps getting people together. One of the most useful parts of the net is his reading of pertinent information from the Canadian Notices to Mariners. For instance, this year there was a barge sunk in one of the popular harbors near Desolation Sound. It was only a few feet underwater at high tides and not marked. Each day as new boaters checked into the net they learned about that particularly nasty one.

Les also has a number of hams whose homes are overlooking different parts of the inland waters of B.C. At the beginning of each session he calls on them to give a summary of the weather conditions in their area. That is very useful as the weather conditions inside the Canadian Gulf Islands are not reported on marine VHF.

Every now and then there are priority messages to be passed, but by-and-large routine is what happens. This past summer Les did have one bit of excitement though. One evening he had a call from a ham who was not a regular. At first the request was a simple one. Would someone please call his wife and have someone come out and tow him in, as his motor had packed up.

Well, life is seldom that simple. Wife called back and said that none of his friends were available. It turns out that the fisherman was in a 26' outboard runabout. He had no radio except his 2M. At that point he was near the SE corner of Tumbo Is. The weather was calm and warm and as it was August there was plenty of daylight left so there was no problem -- right? Well -- kind of.

Tumbo Is. is at the south end of the Strait of Georgia where it joins Boundry Passage, and most of the top 15' of water for 150 miles north of there passes by Tumbo Is. twice a day. The reason that fishermen like the area is that there are shoals and a lot of current. Les tried to find someone on the net who was near enough to go help. No luck. He finally called the Canadian Coast Guard by phone as by then it was the only way left.

Thus began 2-3 hours of Les's coordinating the search for the engineless boater. Les talked to the boater on 2M and relayed to the Coast Guard via cellular phone. Now, you'd think that this would be a pretty simple job considering the weather conditions, etc. Not so. The area of search is very large, and the boater seemed not to know too much about which direction he was drifting and what islands were around him and a 16 footer is very small out there in those large spaces. At first the boater thought that he was heading for Orcas Is. on the U.S. side, but he wasn't there. Finally after 2 hours of searching he was able to describe a light and marker on a nearby island, and the Coast Guard was able to find him just as dark was setting in. He was on the U.S. side of the boundry, but he turned up near Patos Is., somewhat north of Orcas Is. He had drifted 14 miles.

That's how some of the marine nets work up here. And for those of you who think that you know some of your fellow hams -- well, a couple of weeks ago we made contact with Roger, K7RXV, and led him into our anchorage via 2M. Yes, in addition to all of the other things that he does, Roger is a new sailor. We were able to spend parts of three days sailing together. Roger has a 26 footer that he launched in Tacoma to join us in the south Puget Sound for a long weekend.

Our best to all of our OTVARC friends. We visit Portland from time-to-time, and hope that we can coordinate one of those visits with a club meeting.

Bill, WC7P & Elaine, KB7ANT

Upcoming Events

November 7	OTVARC Board Meeting
November 14	OTVARC General Meeting Beaverton Elks Club, 7 P.M.
November 16, 17	OTVARC Travelers Campout Depoe Bay (Thanksgiving)
November 28	Project Night
December 5	OTVARC Board Meeting
December 12	OTVARC Christmas Meeting Beaverton Elks Club, 7 P.M.
January 2	OTVARC Board Meeting
January 9	OTVARC General Meeting Beaverton Elks Club, 7 P.M.

For Sale

10/160 meters N.C.G. HF SSB/CW Solid state Transceiver. PLL tuning, build in power supply and speaker. 110V AC or 12V DC. Built by Matsushita. Have owners manual. Also Mosley TR33 Jr. 3 Band (10-15-20) 3 element beam on 20 foot tower, (Rohn) with Channel Master roter. MFJ Signal Enhancer, Denton Super Tuner, SWR meter, hook-up cables and lead in cable. \$850.00 for all. Grattan J. English, KA6HGY/7, Beaverton, OR. 626-0453.

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

Executive Board

Feel free to contact the Board of OTVARC to answer any questions you may have on anything.

President:	Ray Deeth	K7VDQ	324-4502
Vice Pres:	Rick Schouweilder	KA5OLH	640-4281
Secretary:	Steve Coan	KA7MOW	646-5271
Treasurer:	Ken Gilbert	WR7D	292-3497
Trustee:	Al Berg	WB7SIC	640-5456
Trustee:	Lynn Hurd	WB7UNU	649-9152
Trustee:	Marty McKillip	KD7LA	644-9244
Trustee:	John Koenig	NB7W	641-3575
Trustee:	Greg Milnes	W7AGQ	648-6990

Other Club Contacts

Club Emergency Services Coordinator:

Vacant

Club Trailer / Club Equipment / Technical:

Dee Lynch	KA7NPN	646-4580
Terry Biggs	WB7CHK	648-3687

Contests:

John Koenig	NB7W	641-3575
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Health and Welfare:

Al Berg	WB7SIC	640-5456
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Public Service:

Randy Stimson	KZ7T	297-1175
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Newsletter:

Jeff Durr	KA7AKU	645-3205
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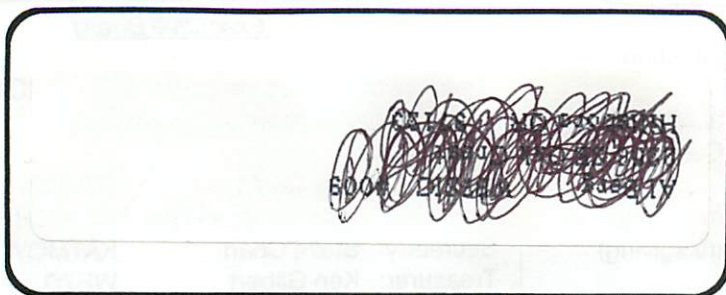
Project Night:

Terry Biggs	WB7CHK	648-3687
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The OTVARC NEWSLETTER is published monthly by the Oregon Tualatin Valley Amateur Radio Club, Inc. The opinions, views and recommendations of its contributors are not necessarily those of the Club, its officers, advertisers or the Editorial Staff. Articles or letters may be submitted to: Jeffrey A. Durr, KA7AKU, Editor, 16376 S.W. Estuary Drive, #104, Beaverton, Oregon, 97006. Deadline for all material is the 20th of the preceding month.

Meetings are held on the second Wednesday of each month at the Beaverton Elks Lodge, 3500 S.W. 104th Avenue, Beaverton, Oregon. Meetings begin at 7:00 P.M. following a buffet dinner served at 6:15 P.M.

All correspondence other than for this newsletter should be sent to: Oregon Tualatin Valley Amateur Radio Club, Post Office Box 5132, Aloha, Oregon, 97006-0132.



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